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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/676,021 | 10/02/2003 | Chun-Chen Chen | CHEN3580/EM | 6447 |
| 23364 | 7590 | 06/17/2004 | EXAMINER | |
| BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314 | | | TSUKERMAN, LARISA Z | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2833 | |

DATE MAILED: 06/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

143

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|------------------------------|---------------------------------------|--|--|
| Office Action Summary | Application No. 10/676,021 | Applicant(s) CHEN, CHUN-CHEN | |
| | Examiner Larisa Z Tsukerman | Art Unit 2833 | |

-- Th MAILING DATE of this communication appears on the cover sheet with the correspondenc address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☒ Claim(s) 5-11 and 15-20 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

Claim 12 is objected to because of the following informalities: in line 6, after “power” insert “line”. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 - 3, 12 and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Applicant's Prior Art (see Fig. 1).

In regard to claim 1, Applicant's Prior Art discloses a structure of a power line fixing module for an electronic apparatus comprising:

an electronic-apparatus housing 11,12,13 comprising a first side plate 12 having a first fixing hole 121;

a power line 17,171 having a connector 171 at one end thereof;

a fixing medium 14 cooperating with the connector 171 of the power line for fixing the connector of the power line in the first fixing hole 121 of the first side plate 12; and

at least a fixing element 18 for fixing the fixing medium 14 on the first side plate

12.

Art Unit: 2833

In regard to claim 2, Applicant's Prior Art discloses the electronic apparatus is one selected from a group consisting of a power adapter, a power supply, a charger, a household appliance and an information appliance (see page 2, lines 1-4 of specification).

In regard to claim 3, Applicant's Prior Art discloses the electronic-apparatus housing 11,12,13 further comprises:

a second side plate 13, and a metal extrusion housing 11 assembled with the first side plate 12 and the second side plate 13 to form a closed space for mounting a printed circuit board 16.

In regard to claim 12, Applicant's Prior Art discloses a structure of a power line fixing module for an electronic apparatus, wherein said electronic apparatus comprises a housing 11,12,13 and the housing comprises a first side plate 12 having a first fixing hole 121, comprising:

- a power line having a connector 171 at one end thereof;
- a fixing medium 14 cooperating with the connector 171 of the power line for fixing the connector 171 of the power in the first fixing hole 121 of the first side plate 12; and
- at least a fixing element 18 for fixing the fixing medium on the first side.

In regard to claim 13, Applicant's Prior Art discloses a structure of a power line fixing module in a power adapter comprising:

- a first side plate 12 having a first fixing hole 121;
- a second side plate 13;
- a metal extrusion housing 11 assembled with the first side plate 12 and the

Art Unit: 2833

second side plate 13 to form a closed space for mounting a printed circuit board 16;

a power line having a connector 171 at one end thereof;

a fixing medium 14 cooperating with the connector 171 of the power line for fixing the connector 171 of the power line in the first fixing hole 121 of the first side plate 12; and

at least a fixing element 18 for fixing the fixing medium 14 on the first side plate 12.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Prior Art (Fig. 1) in view of Applicant's Prior Art (see Fig. 2). Applicant's Prior Art (Fig. 1) discloses most of the claimed invention except for the connector of the power line comprises a first flanged ring, a second flanged ring and a groove, wherein the groove is positioned between the first flanged ring and the second flanged ring. Applicant's Prior Art (Fig. 2) shows a connector comprising a well-known seal consisting of first flanged ring 195, a second flanged ring 194 and a groove 196, wherein the groove is positioned between the first flanged ring and the second flanged ring. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify a connector 171 in Applicant's Prior Art (Fig. 1)

Art Unit: 2833

structure by including a seal of Applicant's Prior Art (Fig. 2) structure **in order to protect the electronic apparatus from environmental factors.**

Allowable Subject Matter

Claims 5 – 11 and 15-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

In regard to claims 5 and 15, The Prior Art does not disclose applicant's "a power line fixing module for an electronic apparatus" particularly characterized by "fixing medium comprises:

a first fixing plate having a first opening, a first extending plate and a first flange rib, wherein the first extending plate is perpendicularly extended from a portion of an edge area of the first opening, and the first flange rib is formed inside said first extending plate; and a second fixing plate having a second opening, a second extending plate and a second flange rib, wherein the second extending plate is perpendicularly extended from a portion of an edge area of the second opening, and the second flange rib is formed inside the second extending plate".

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2833

Djian (6447332), Edwards et al. (5073046), Yokoi (6346007), Carmo et al. (4449776), Maros (4647128), Chang (6494749), Thomas (4117257), Hatch (3357421), Allison et al (5649834), Kameyama (6616480), Freer et al. (5320554), Pade (US 2003/0162440), Puettner et al (US 2002/0072273), Murakami et al. (US 2001/0024907), Nguyen et al. (6411526), Aoyama et al. (5580264), Pabich (3768064), Tsuji et al (5947766), Hutchinson et al. (6497589).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Larisa Z Tsukerman whose telephone number is (571)-272-2015. The examiner can normally be reached on Monday through Friday from 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A Bradley can be reached on (571)-272-2800 ex. 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LT, 06/14/2004


THO D. TA
PRIMARY EXAMINER